RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY SYSTEMS BRANCH
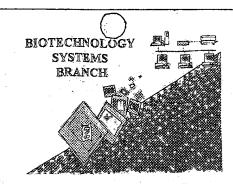
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *09/767,088*

Source: *OIPE*

Date Processed by STIC: *2-6-2001*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics

The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

2 _____ Wrapped Aminos

The amino acid number/text at the end of each line "wrapped." down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

3 _____ Incorrect Line Length

The rules require that a line not exceed 72 characters in length. This includes spaces.

4 _____ Misaligned Amino Acid Numbering

The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

5 _____ Non-ASCII

This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

6 _____ Variable Length

Sequence(s) _____ contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

7 _____ PatentIn ver. 2.0 "bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

8 _____ Skipped Sequences (OLD RULES)

Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X:
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

9 _____ Skipped Sequences (NEW RULES)

Sequence(s) _____ missing. If intentional, please use the following format for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

10 _____ Use of n's or Xaa's (NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

11 _____ Use of <213>Organism (NEW RULES)

Sequence(s) _____ are missing this mandatory field or its response.

12 _____ Use of <220>Feature (NEW RULES)

3-7 maybe more
Sequence(s) 3-7 are missing the <220>Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of new Rules)

13 _____ PatentIn ver. 2.0 "bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

AKS-Biotechnology Systems Branch- 5/15/99

```
        RAW SEQUENCE LISTING              DATE: 02/06/2001
        PATENT APPLICATION:  US/09/767,088  TIME: 15:36:58

        Input Set : A:\0303.ST25.txt
        Output Set: N:\CRF3\02062001\I767088.raw

     3 <110> APPLICANT: Gurney, Mark E.
     4          Abraham, Irene
     6 <120> TITLE OF INVENTION: Transgenic Mouse Model Of Human Neurodegenerative Disease
     8 <130> FILE REFERENCE: PHRM0303
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/767,088
C--> 10 <141> CURRENT FILING DATE: 2001-01-22
    10 <150> PRIOR APPLICATION NUMBER: 60/177,319
    11 <151> PRIOR FILING DATE: 2000-01-21
    13 <160> NUMBER OF SEQ ID NOS: 15
    15 <170> SOFTWARE: PatentIn version 3.0
    17 <210> SEQ ID NO: 1
    18 <211> LENGTH: 1152
    19 <212> TYPE: DNA
    20 <213> ORGANISM: Homo sapiens
    22 <400> SEQUENCE: 1
    23 atggctgagc cccgccagga gttcgaagtg atggaagatc acgctgggac gtacgggttg    60
    25 ggggacagga aagatcaggg gggctacacc atgcaccaag accaagaggg tgacacggac   120
    27 gctggcctga aagctgaaga agcaggcatt ggagacaccc ccagcctgga agacgaagct   180
    29 gctggtcacg tgacccaagc tcgcatggtc agtaaaagca aagacgggac tggaagcgat   240
    31 gacaaaaaag ccaagggggc tgatggtaaa acgaagatcg ccacaccgcg gggagcagcc   300
    33 cctccaggcc agaagggcca ggccaacgcc accaggattc cagcaaaaac cccgcccgct   360
    35 ccaaagacac cacccagctc tggtgaacct ccaaaatcag gggatcgcag cggctacagc   420
    37 agccccggct ccccaggcac tcccggcagc cgctcccgca ccccgtccct tccaaccccca   480
    39 cccacccggg agcccaagaa ggtggcagtg gtccgtactc cacccaagtc gccgtcttcc   540
    41 gccaagagcc gcctgcagac agcccccgtg cccatgccag acctgaagaa tgtcaagtcc   600
    43 aagatcggct ccactgagaa cctgaagcac cagccgggag gcgggaaggt gcagataatt   660
    45 aataagaagc tggatcttag caacgtccag tccaagtgtg gctcaaagga taatatcaaa   720
    47 cacgtcccgg gaggcggcag tgtgcaaata gtctacaaac cagttgacct gagcaaggtg   780
    49 acctccaagt gtggctcatt aggcaacatc catcataaac caggaggtgg ccaggtggaa   840
    51 gtaaaatctg agaagcttga cttcaaggac agagtccagt cgaagattgg gtccctggac   900
    53 aatatcaccc acgtccctgg cggaggaaat aaaaagattg aaacccacaa gctgaccttc   960
    55 cgcgagaacg ccaaagccaa gacagaccac ggggcggaga tcgtgtacaa gtcgccagtg  1020
    57 gtgtctgggg acacgtctcc acggcatctc agcaatgtct cctccaccgg cagcatcgac  1080
    59 atggtagact cgccccagct cgccacgcta gctgacgagg tgtctgcctc cctggccaag  1140
    61 cagggtttgt ga                                                      1152
    64 <210> SEQ ID NO: 2
    65 <211> LENGTH: 9990
    66 <212> TYPE: DNA
    67 <213> ORGANISM: Mus musculus
    69 <400> SEQUENCE: 2
    70 ggcggccgcg acggatccaa aggcagcaaa aaggcagaga gggtgatact gggcctggct    60
    72 taagcatttg aaacttcaaa gctcaccccc aattacacac ttcttccaac aagtccacac   120
    74 ctcctaatta gtgccactct ctgtgggcct acggagagta ttttcattct aactaccaca   180
    76 gttgctgagg aatttaatta aaactacaac cttatcccaa cctagatctt tcagcctttc   240
    78 tgtactacca gagaggggtc atacagcatt gttgtgactc ccattataac ttaaagggaa   300
    80 gctcacacaa agtccagagc cctccatacc ctgcaaatga agaagtacgt tctcaaatcc   360
    82 cttggagcag ggccccactt tggcggcaca aactttaatt tctagacgga acggcatctc   420
```

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/767,088

DATE: 02/06/2001
TIME: 15:36:58

Input Set : A:\0303.ST25.txt
Output Set: N:\CRF3\02062001\I767088.raw

```
 84 tacagaaaga aaagccatgg tatctgcatg ataagtctga aaaggacctg ggcaaatctg    480
 86 cagctgacaa ttccagccat tgctgccact gcgagaaaac cctgctgatg gcagcattgt    540
 88 cagcatcatc tcctccagga acaccggcca tcgagccacg aggacaattg ctgctgctgg    600
 90 agtcaattca tctgccagcc acatcatact ctgggaccgt cactaaccag atccaagcag    660
 92 ccttgaggaa gcatgtcttc tggtggtgac tgatcccaag ggctgacaac aaggtcctca    720
 94 cagaggcatc ttatgtcaac ctatctacca tgcacggtat aagacacatt ctcctctgtg    780
 96 ctgtgtggac actgccatca cacgcaacag aaaggaaact cactcactgt gtctgatgtg    840
 98 gtggtgcttg ttaggggagt tctgggcatg tatggcacca tcgcccatga ggactcctgt    900
100 ggggtcatgc ccactctact cctctagaga ccatgaagag atggagaggg aagagcaagc    960
102 acagatgaca ggctagaact aaagaggagt gtcaggtgag cggacctgaa ctcacggctg   1020
104 ctcagcctga agtggtgtgg ccatctgcat ctggtatctg gtctgaaggt gcgtggatac   1080
106 cctctgtgcc cgtccagaag tttcctactg aagacagaaa tgcctgtcca gtcatggaag   1140
108 aatgattggc agttcccact tctcagacca ctgaatgggt cagaacaact actgggtgac   1200
110 cctaaggtat tcttcagcag atatgtgtga aaaatggaaa gaagatgggt agaaataaac   1260
112 ggttttagag gaaaaaaact ctcacaaaga tattataaaa agaaaagagc tttattattg   1320
114 agcaagcatt caaccagaat gcacaccaca ggcagtctgc taagggagtg tgcagacagg   1380
116 aggagtgtcg cccttatgt gagccagtag ataaggatgc tgtgcgtgtt tttagtaact   1440
118 ggtcttcagc ttgacagcac catttatcac atggtttaac ctaaattcat ctggcgaatg   1500
120 aggctgtcac gtacttcctg attagctta tctgaaatga gacaagcttc acatgttcac   1560
122 ggcaggaggt aatcctgctg cttagagaac agggtccatc caagccaggc tccttctccc   1620
124 accaacacgg gtggttgaag agctatctct ccctggtgtg tgtgtttcag agatggctcc   1680
126 caggttttg gtttggtttg aattgggttt tggttttctt actctagccc agactagctt   1740
128 ggaattctct ggaaagctgc aacgggagc tcaggttcag tgagagatcc tgtctcaaaa   1800
130 agcagggtga gaagtgattg aggaagacac cccagtgtta acctctgacc tccatatgtg   1860
132 catgcatgga cacgcatgga tacacataca cacacacaca cacacacaca cacacacaca   1920
134 cacacacaca cacacacaaa accagaaaga atgaacgccc ccctcccagc ttgtttacag   1980
136 tagatacaga gcactcgtaa aacatgggt gtaaactgaa tgctgagagt aacttagatg   2040
138 agtaattaag gaaggaagag gaaagaaacc aggaaaccga gagcaagtga ctggaagatc   2100
140 gttaggcaat ctccacaccc tgctcgttga agttggaatg ctttcttctt ctgcctcttg   2160
142 aagttcttta gaagtgctag gatttcacaa ttagtctgtg gtggtttcaa tatgcttcac   2220
144 ccgtggtaag tggcactatt aggaaacgtg tccttgttga aggaagggtg tcactgcata   2280
146 ggcgggcttt gaggtgtctt ccagtgctca agctcctccc agtgcaagag aggcagacac   2340
148 ctgttgcctg cagaagacag tctcctgctg cctttgaatc aagatgtaga actcaagccc   2400
150 catgtctgcc tgaacctctg aaactgtaag ccagccccaa ttaaatgttt tctttcacaa   2460
152 gagttgcctt ggtcatggtg tctgttcaca gcaataaaac cctaactaag acagtcttaa   2520
154 atcaatgaaa agacctttaa ttattcattg aacaaacacc attttcttgt atcaagttgg   2580
156 cagtgactag taagcaacta tagttctgca ccagggacct ttttggagaa atataccgat   2640
158 ccaagcatgt tggcatctag attccaaagc caagacacct gccacaccct tccatgcctt   2700
160 gggttcctgg cagggcatct ggcttcgggg atgtgtattc caggcaccca ctggaatgca   2760
162 tggaaacaat taaaatagca tcatagaaga cattgcaatc ctaggagaa actataccaa   2820
164 aactcagaac tatacctggt taagtgtaga aaagacgaaa ggaataaaac caggaatatt   2880
166 ttaaaatatt tttattgagc tcatgtgcat gggtattttg cctgaaagta tgtctgtgta   2940
168 ccacatgcat ggctggctcc tgcagaggcc aaaagagagc atcagatctc ctagagctgg   3000
170 agtttcagaa gtttgtgagc taccacatgg gtgctggaaa caaaacccag gacatctgga   3060
172 agagcagcca gtgttcttaa ctactgagcc atcactcagg tcccaccatg aatgtttttc   3120
174 tttattcttc tctatatttt ctaatgtttt tattggaaat atacaactt tgccacacat   3180
176 aacaaatgac caaagaaatg aggtgagagg ggcagctgtt caaatgctgc ctgggaaggc   3240
178 ttggccagcc ctggcttggc tgccctggc tcagctggcc ctgacttggc tgtcccggtg   3300
180 ccagctgtca tctactgctt cataataagc tgcactttgg gctgaagggg tggctcagcc   3360
```

```
182 tttaaaggct aggctcataa ccaaagtaag ttgcatttta tttgcactag gttgaagggg 3420
184 gatctgaaac ttgctgtcaa tgttataaaa cattttatct tcaaatttgg tataggggtc 3480
186 atagaccaaa ggttctataa accccagaac agcaccactc cctagaaata agcacccata 3540
188 caagagccta tgggacactt tatagccaaa caaaaagcta tgtttgaaac ttcctttaca 3600
190 agggcctgag tcccattcat aagggaagga gccccacttc gtaataacac cccactggtg 3660
192 acatttgaag gggacacatt caaactgtaa caccatctta tatcatttgc acattagggt 3720
194 caaactgtgc cacgttgtca tttctaagaa gacagaagtt gtcaagcctg tgctttgagc 3780
196 cacaagtgtg acaacctact ttcaggcaag tcgctacttc cctaagactc taccccaata 3840
198 ggcctggggt ctggaatgtg tttaacacag atgcaggctt ctgccttagt gcaggcttga 3900
200 gttctcatgt ccctctctct ttagctttcc gtctcaaggc gcctctcctt agcagaaaaa 3960
202 atcagaggca taaagcatac atcaggggga agccagagtt ttcagaggga gttttgtgat 4020
204 ggcctttca gagcattctt gtcaagacta gtttgcctcg ttctctttat taaatgaaag 4080
206 aaaaataatg cagtgttgca aattagcttt ggtaatggct ccaaccattg tcaggttcac 4140
208 agtctcattc cgccattcaa aacaacaaac ccaccacact ctctatgcag tgccgtaact 4200
210 cagaacagcc accaaacagc agaaagaggc tccccgactc ctctcagcct tgccataaac 4260
212 tcgccggcca catgcttatt ttaaattatt taaattatgt cgtttctccc aacaatgacc 4320
214 tcccaagtgc ttggttgaca ggcttatacc attaagccga ggcttgcata gcaacgataa 4380
216 ccaggtaggc tattattata accaggtagc tgccgagcta ctggtcggtc cccttttgtc 4440
218 tctagaaacc tctcaacccc cacccaaaaa agcttttatt gccacttcct agtgggtaga 4500
220 gagcagtcag ccaatagata tttgattctt tgaggaaaaa gctgagtttt gatgtctttt 4560
222 aatcaagcct ttcagagtcc ctctgtgggg gaggccaggt ggaagcgggg tgggaagctg 4620
224 gtcccttacc taagctaatc tagacaccct cccactcctc ccctgccctc ttgacagatg 4680
226 cagtcatcct gatcacaatg agtattctct gaggcaggaa ggcaaggctc tggaagatgg 4740
228 tcaatgcctt cattaagaac ccagagtaaa ggtcaagcag acaccagcac cgctgaaatc 4800
230 taatttcact gtaattgaat catctcagcc aaaggctgta ttttccagcc ctctcgtggc 4860
232 ctcttcccca acaactgtca acaactgtgt gagcctaccc atgtatgcgc gctcacacac 4920
234 acacacacac acacacacac acacacacac agggtggggg gacacaatga ttacacaaga 4980
236 gtacttaata aacaactata attctcctgg ctcggatagt tccttaccac cctctcctcc 5040
238 tggatccgga tcctaatact ggatacaaat atttaatcca aacccaatct tgtgtctgtt 5100
240 aatgatcttc agtgtctcgc cctcagcaag aggacaggat attatgtttt ccctgtgatt 5160
242 tatgacctct tctgtctcag tatcggcagc aatttatttta catggctttg gagtgtgtta 5220
244 tatgtgtagt atggacatga gggtgcatgt caacctatgt gtggaggcca gaggtcaatg 5280
246 tcatgtcttc cccaatcact gcccagtggt ccctggattc caaactcagg tcctcacgct 5340
248 tgggaactga gccagtgccc cagctcctaa ccctccctg ttttaaaaag gtctcattat 5400
250 gttgcccagg tcagccttga acttgagagt ctcctgactg caggctttca cctgtccaag 5460
252 tcagcaggca tcttgaacaa gaacatcatt tcctttaagc tgtttcaggc tgtgtttggt 5520
254 gggagctgtt aaatgcagtg cattttttcc tttggacaca ataaaagaaa aaagtgatta 5580
256 aatgagttgg gtgtggtggt gcgagtctac aatcctagaa ctcaggagat tgagggagaa 5640
258 gcattgctct gagtttgagg tcagcttaaa ttacttagta ggaacaccag gccaaattgg 5700
260 gctatgggat tgtctccaaa gataaagaaa aaagggaagg agagaaaaga aaaagaaagg 5760
262 aaagaagggg aaaagaagga atcagcagag aataaataag tcaacatgca atggccaata 5820
264 tactttctag gcctctaatt cttttatagt ttgtgggaaa atgtcgaaaa tcttcgttac 5880
266 caatttcttg ttaccaaagt tcaacgatgg cttcctcgct ccgttaggta acctttcatt 5940
268 ttctcaacta cccattatgt aacgggagca ttgggtactg gatcagtctt ccattaaaga 6000
270 tgattttat agttgctgag cgtcgtcagg gagtgctgac actggggggcg gtttaaacag 6060
272 atacaagcat ttaagccagt ccggagcggt gactcatccc cccccacccc caccccccg 6120
274 cgagagacgc ggcgcggcca ttggtgagca tcacgccccg cccctcgccc cgcctagttc 6180
276 ccgcctgccc cgcccctttc cactcccggc tcccccgcgt tgtcggatca gcagaccgat 6240
278 tctgggcgct gcgtcgcatc ggtggcaggt aagcgggctg ctgaagccag gccttggcga 6300
```
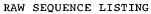
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/767,088

DATE: 02/06/2001
TIME: 15:36:58

Input Set : A:\0303.ST25.txt
Output Set: N:\CRF3\02062001\I767088.raw

```
280  gcactcagcc ttccgtcgtc aagctcggct cactgcgcct ctcggggcct tgaggccacg  6360
282  gggactagga ctgggactgg gactgggggct gagtctggct gggaggtgac tgtacacccc  6420
284  ctgctgcgcg actcctggag gaaccgaatc ccagggcagc caggccggga gccagccttt  6480
286  ccttcccgag ccagattcac agctcagcat cgctggggat ggggtggca tcttttgact  6540
288  gtccttggct gttttcttct ctctttgtag tagctacagc gaacataatt ttacctcgtt  6600
290  attccaccac agtcattact cccttgcaca gtttcattct caacgtcgcc gtgcgccttc  6660
292  actgccctgt ctaggcgttt tcatgattgt ctattttctt gtactttgaa taccgtggtt  6720
294  taatagcagt tgcgggtgcg cagaattctc catttcctta agagaaactc ctgggagaat  6780
296  gggactaaag acgtgcaaat ttaattatat cgcaaacagg aatcaaaatt ttgcattaaa  6840
298  atgccaaaca tcttgaaaaa ttaactattc aatgaagaaa aggaactact ttacctacac  6900
300  acacatccga gagcttcgag gaggcgaagg aaatagaaag ctaagggatg atttgggttg  6960
302  tatttgaatc tgacacaagc tttccatatt atttatagca gggactaaac gatgagtcat  7020
304  tttctgaata agatgcaaat taaagcaagt ttgtttgttg tctttacatc tattaaatag  7080
306  acagagacaa tggcaacagc aaccctaacc tagaggttgc ctgaaagtgt caggtttggg  7140
308  aacaagtggc cctgcttaag ggctagaaag attgctttac aaccaacaat catgacttga  7200
310  cattgcctgg ggttcctttt gtctattcct tttttaaaag actagtgttt attttatgtg  7260
312  catgagtgtt ttgcatccac attcgcctgt atacacacct ggttctgtgg aggtcaggag  7320
314  agggtgctgg atgccctggc actagagcct tggatggtta tgtgagcccc tgccacaggg  7380
316  gagctcagaa ccaaatccag gtcctctgga agagcaacca gagctcttaa aacttctaag  7440
318  tatccctcca tcccctttcc atcatatttg gaaaggagaa aactgctacc catgcctggc  7500
320  atttatttca gagattaact gtctgtgtaa aacttgacat tgaaagtgca ctattctgtt  7560
322  tcccattcat acttagttga gactactgta agtcagttag ggcttttttt gtttggttcc  7620
324  ttggttagtt tggagtgtgt ttgtgagctc attaacaggc tttcaatatg tagctggaat  7680
326  ttgctgtgta gaccagacag gcctcaaatt tgtggcaatc ctccctgcat cttcccagaa  7740
328  tgccctggta caggcataaa ccaccgtgcc cagcagtaaa acaatctggt gaggtattat  7800
330  tagtcgtgtg ctgtgaccca gaaacccac tcctggcaat ttactgggaa ggaacaaaca  7860
332  aagggctagg ggagccatat ggcctgcagt tagagaaaat tagatccaac tgaaaaatca  7920
334  acctaaaggt gtaaaagcca agcagttaag aaactgacaa gctcatgatg gaagccgagg  7980
336  ccatcgtgaa cactcttcat tttaggcccc acgtatcact ggggacaact gagagtcaaa  8040
338  gtacaggtaa ggagaccaag gcttttcagg actcaggctg tctcagtgaa aagcccagaa  8100
340  gagcagtaat tgaaagagct cagacgatgt gtctgatctc ctctgtttgt ttgttgctgt  8160
342  attatttcca ctaacttatt tgggaggaaa aaaaacagtt cacaggcttc ttttcttgaa  8220
344  atactgggga ttgctgggat cgaacccagg gataggtttt tagtttctaa aataacatag  8280
346  atcatgccct gtttgctttt tggaatatgt ttgcgctgcc cttattttca tgttcaaata  8340
348  ctgctccatt ttgcgtgact ctttagtatt ggtttgatga tttgcatatt agattagatt  8400
350  gtatttcagt tctcagactt atttatcaat tctagttttc tcttttgtt gtttaaagg  8460
352  actcctgagt atatttcaga actgaaccat ttcaaccgag ctgaagcatt ctgccttcct  8520
354  agtggtacct cgactatcag gtgaactttg aaccaggatg gctgagcccc gccaggagtt  8580
356  cgaagtgatg gaagatcacg ctgggacgta cgggttgggg gacaggaaag atcagggggg  8640
358  ctacaccatg caccaagacc aagagggtga cacggacgct ggcctgaaag ctgaagaagc  8700
360  aggcattgga gacaccccca gcctggaaga cgaagctgct ggtcacgtga cccaagctcg  8760
362  catggtcagt aaaagcaaag acgggactgg aagcgatgac aaaaaagcca aggggctga  8820
364  tggtaaaacg aagatcgcca caccgcgggg agcagcccct ccaggccaga agggccaggc  8880
366  caacgccacc aggattccag caaaaacccc gcccgctcca aagacaccac ccagctctgg  8940
368  tgaacctcca aaatcagggg atcgcagcgg ctacagcagc cccggctccc caggcactcc  9000
370  cggcagccgc tcccgcaccc cgtcccttcc aaccccaccc acccgggagc ccaagaaggt  9060
372  ggcagtggtc cgtactccac ccaagtcgcc gtcttccgcc aagagccgcc tgcagacagc  9120
374  ccccgtgccc atgccagacc tgaagaatgt caagtccaag atcggctcca ctgagaacct  9180
376  gaagcaccag ccgggaggcg ggaaggtgca gataattaat aagaagctgg atcttagcaa  9240
```

```
378 cgtccagtcc aagtgtggct caaaggataa tatcaaacac gtcccgggag gcggcagtgt      9300
380 gcaaatagtc tacaaaccag ttgacctgag caaggtgacc tccaagtgtg gctcattagg      9360
382 caacatccat cataaaccag gaggtggcca ggtggaagta aaatctgaga agcttgactt      9420
384 caaggacaga gtccagtcga agattgggtc cctggacaat atcacccacg tccctggcgg      9480
386 aggaaataaa aagattgaaa cccacaagct gaccttccgc gagaacgcca aagccaagac      9540
388 agaccacggg gcggagatcg tgtacaagtc gccagtggtg tctggggaca cgtctccacg      9600
390 gcatctcagc aatgtctcct ccaccggcag catcgacatg gtagactcgc cccagctcgc      9660
392 cacgctagct gacgaggtgt ctgcctccct ggccaagcag ggtttgtgat caggcccctg      9720
394 gggcggtcaa taattgtgga gaggagagaa tgagagagtg tggaaaaaaa aagaataatg      9780
396 acccggcccc cgccctctgc ccccagctgc tcctcgcagt tcgggaattc ggatccagat      9840
398 cttattaaag cagaacttgt ttattgcagc ttataatggt tacaaataaa gcaatagcat      9900
400 cacaaatttc acaaataaag catttttttc actgcattct agttgtggtt tgtccaaact      9960
402 catcaatgta tcttatcatg tctggtcgac                                       9990
405 <210> SEQ ID NO: 3
406 <211> LENGTH: 25
407 <212> TYPE: DNA
408 <213> ORGANISM: Artificial
410 <220> FEATURE:
411 <223> OTHER INFORMATION: Primer
413 <400> SEQUENCE: 3
414 agtaattgaa agagctcaga cgatg                                              25
417 <210> SEQ ID NO: 4
418 <211> LENGTH: 23
419 <212> TYPE: DNA
420 <213> ORGANISM: Artificial
422 <220> FEATURE:
423 <223> OTHER INFORMATION: Primer
425 <400> SEQUENCE: 4
426 tgtcaccctc ttggtcttgg tgc                                                23
429 <210> SEQ ID NO: 5
430 <211> LENGTH: 22
431 <212> TYPE: DNA
432 <213> ORGANISM: Artificial
434 <220> FEATURE:
435 <223> OTHER INFORMATION: Primer
437 <400> SEQUENCE: 5
438 gtactccacc caagtcgccg tc                                                 22
441 <210> SEQ ID NO: 6
442 <211> LENGTH: 23
443 <212> TYPE: DNA
444 <213> ORGANISM: Artificial
446 <220> FEATURE:
447 <223> OTHER INFORMATION: Primer
449 <400> SEQUENCE: 6
450 gcagcagcat cgaagcttct cag                                                23
453 <210> SEQ ID NO: 7
454 <211> LENGTH: 48
455 <212> TYPE: DNA
456 <213> ORGANISM: Artificial
```

must be "Artificial Sequence"
See Item 12 on Error Summary Sheet

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/767,088

DATE: 02/06/2001
TIME: 15:36:59

Input Set : A:\0303.ST25.txt
Output Set: N:\CRF3\02062001\I767088.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date